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Substitute for form 1449A/B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 1 of 10

Complete if Known

Application Number	10/549,445
Filing Date	July 31, 2006
First Named Inventor	Shawn DEFREES
Group Art Unit	1623
Examiner Name	Patrick T. Lewis
Attorney Docket Number	705759
Client Reference No.	NEO00262US/371

U.S. PATENT DOCUMENTS

Examiner Initials	Doc. No.	U.S. Patent Document		Name of Patentee or Applicant	Date of Publication	Filing Date If Appropriate
		Application or Patent Number	Kind Code			
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	AB	4,088,538		Schneider	05-09-1978	
	AC	4,179,337		Davis et al.	12-18-1979	
	AD	4,385,260		Watts	05-24-1983	
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	AM	5,153,265		Shadle et al.	10-06-1992	
	AN	5,154,924		Friden	10-13-1992	
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	AU	5,374,541		Wong et al.	12-20-1994	
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	BJ	5,849,535		Cunningham et al.	12-15-1998	
	BK	5,876,980		DeFrees et al.	03-02-1999	
	BL	5,922,577		DeFrees et al.	07-13-1999	
	BM	5,932,462		Harris et al.	08-03-1999	
	BN	5,945,314		Prieto, et al.	08-31-1999	

Examiner Signature /Patrick Lewis/ (05/08/2010) Date Considered

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Sheet 2 of 10

Sheet 2 of 10 Client Reference No.: NE00026203/3/1

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Sheet 3 of 10 Client Reference No. NEO00262US/371

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Application Number	10/549,445
Filing Date	July 31, 2006
First Named Inventor	Shawn DEFREES
Group Art Unit	1623
Examiner Name	Patrick T. Lewis
Attorney Docket Number	705759

FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation *
		Office	Application or Patent Number	Kind Code			
CY	EP	0474313	A2	Centro de Ingenieria Genetica y Biotecnologia	03-11-1992		
CZ	EP	0585109	A2	Suntory Ltd.	03-02-1994		
DA	EP	0605963	A2	Ortho Pharmaceutical Corp.	07-13-1994		
DB	EP	1428878	A1	Bioceuticals Arzneimittel AG	06-16-2004		
DC	WO	1987/000056	A1	Cetus Corp.	01-15-1987		
DD	WO	1987/005330	A1	Bergh et al.	09-11-1987		
DE	WO	1989/010134	A1	The Regents of the University of California	11-02-1989		
DF	WO	1990/007572	A1	Genentech, Inc.	07-12-1990		
DG	WO	1990/008164	A1	The Upjohn Co.	07-26-1990		
DH	WO	1990/00823	A1	The Upjohn Co.	08-09-1990		
DI	WO	1992/018135	A1	The Regents of the University of California	10-29-1992		
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DL	WO	1995/002421	A1	Alkermes, Inc.	01-26-1995		
DM	WO	1996/021469	A1	Shearwater Polymers, Inc.	07-18-1996		
DN	WO	1996/032491	A1	Cytel Corp.	10-17-1996		
DO	WO	1996/040731	A1	Mount Sinai School of Medicine of the City University of New York	12-19-1996		
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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet	4	of	10	Client Reference No.	NEO00262US/371
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FOREIGN PATENT DOCUMENTS

Examiner Initials	Doc. No.	Foreign Patent Document			Name of Patentee or Applicant	Date of Publication	Translation *
		Office	Application or Patent Number	Kind Code			
	EF	WO	2002/013843	A2	University of British Columbia; Gabathuler et al.	02-21-2002	
	EG	WO	2002/013873	A2	Synapse Technologies, Inc.	02-21-2002	
	EH	WO	2002/053580	A2	The Kenneth S. Warren Institute, Inc.	07-11-2002	
	EI	WO	2002/074806	A2	Maxygen APS	09-26-2002	
	EJ	WO	2002/092619	A2	The Government of the United States of America	11-21-2002	
	EK	WO	2003/017949	A2	Neose Technologies, Inc.	03-06-2003	
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Examiner Signature	/Patrick Lewis/ (05/08/2010)	Date Considered
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Sheet	5	of	10	Complete if Known
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OTHER - NON PATENT LITERATURE DOCUMENTS				
Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.		Translation *
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FC	ABUCHOWSKI et al., <i>J. Biol. Chem.</i> , 252(11): 3578-3581 (1977)			
FD	ABUCHOWSKI et al., <i>J. Biol. Chem.</i> , 252(11): 3582-3586 (1977)			
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FM	BENNETT et al., <i>J. Biol. Chem.</i> , 273(46): 30472-30481 (1998)			
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FR	BHATIA et al., <i>Anal. Biochem.</i> , 178(2): 408-413 (1989)			
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Examiner Signature	/Patrick Lewis/ (05/08/2010)	Date Considered
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Sheet	6	of	10	Client Reference No.	NEO00262US/371
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Application Number	10/549,445
Filing Date	July 31, 2006
First Named Inventor	Shawn DEFREES
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Examiner Name	Patrick T. Lewis
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OTHER - NON PATENT LITERATURE DOCUMENTS

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GY	DOUGLAS et al., <i>J. Am. Chem. Soc.</i> , 113(13): 5095-5097 (1991)		
GZ	DUNN, 1991, "Polymeric Drugs and Drug Delivery Systems" Dunn et al. (eds.), Chapter 2 "Polymeric Matrices", pp. 11-23, ACS Symposium Series Vol. 469, American Chemical Society, Washington D.C.		
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HC	EAVARONE et al., <i>J. Biomed. Mater. Res.</i> , 51(1): 10-14 (2000)		
HD	FAN et al., <i>J. Biol. Chem.</i> , 272(43): 27058-27064 (1997)		
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HK	GATOT et al., <i>J. Biol. Chem.</i> , 273(21): 12870-12880 (1998)		
HL	GILBERT et al., <i>Cytotechnology</i> , 22(1-3): 211-216 (1996)		
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HN	GINNS, PEG Glucocerebrosidase, Internet page from www.gaucher.org.uk/peg2.prg, printed Jun. 21, 2002.		
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HU	HAGEN et al., <i>J. Biol. Chem.</i> , 276(20): 17395-17404 (2001)		
HV	HALL, <i>Methods Mol. Biol.</i> , 166: 139-154 (2001)		
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HY	HARRIS et al., <i>Nat. Rev. Drug Discov.</i> , 2(3): 214-221 (2003)		
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Attorney Docket Number	705759
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Sheet 7 of 10

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, newspaper, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation *
IA	HARRIS, <i>J. Macromol. Science, Rev. Macromol. Chem. Phys.</i> , C25(3): 325-373 (1985)		
IB	HASSAN et al., <i>J. Biol. Chem.</i> , 275(49): 38197-38205 (2000)		
IC	HAYES et al., <i>J. Biol. Chem.</i> , 268(22): 16170-16178 (1993)		
ID	HELLSTROM et al., <i>Methods Mol. Biol.</i> , 166: 3-16 (2001)		
IE	HERMANSON et al., <i>Immobilized Affinity Ligand Techniques</i> , Academic Press (1992)		
IF	HERMANSON, <i>Bioconjugate Techniques</i> , Academic Press, San Diego (1996)		
IG	HERMANTIN, et al., <i>Glycobiology</i> , 6(2): 217-230 (1996)		
IH	HILLS et al., <i>Am. Biotechnol. Lab.</i> , 20(11): 30 (2002)		
II	HINK et al., <i>Biotechnol. Prog.</i> , 7(1): 9-14 (1991)		
IJ	HOLLISTER et al., <i>Glycobiology</i> , 11(1): 1-9 (2001)		
IK	HOUNSELL et al., <i>Glycoconj J.</i> , 13(1): 19-26 (1996)		
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IO	INOUE et al., <i>Biotechnol. Annu. Rev.</i> , 1: 297-313 (1995)		
IP	ITO et al., <i>Pure Appl. Chem.</i> , 65(4): 753-762 (1993)		
IQ	JACKSON et al., <i>Anal. Biochem.</i> , 165(1): 114-127 (1987)		
IR	JARVIS et al., <i>Curr. Opin. Biotechnol.</i> , 9(5): 528-533 (1998)		
IS	JOPPICH et al., <i>Makromol. Chem.</i> , 180: 1381-1384 (1979)		
IT	JOSHI et al., <i>J. Biol. Chem.</i> , 265(24): 14518-14525 (1990)		
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IV	KAJIHARA et al., <i>Carbohydrate Research</i> , 315: 137-141 (1999)		
IW	KALSNER et al., <i>Glycoconj. J.</i> , 12(3): 360-370 (1995)		
IX	KASINA et al., <i>Bioconjug. Chem.</i> , 9(1): 108-117 (1998)		
IY	KATRE et al., <i>Proc. Natl. Acad. Sci. USA</i> , 84(6): 1487-1491 (1987)		
IZ	KEPPLER et al., <i>Glycobiology</i> , 11(2): 11R-18R (2001)		
JA	KITAMURA et al., <i>Biochem. Biophys. Res. Commun.</i> , 171(3): 1387-1394 (1990)		
JB	KITAMURA et al., <i>Cancer Res.</i> , 51(16): 4310-4315 (1991)		
JC	KODAMA et al., <i>Tetrahedron Lett.</i> , 34(40): 6419-6422 (1993)		
JD	KOELLER et al., <i>Nat. Biotechnol.</i> , 18(8): 835-841 (2000)		
JE	KOELLER et al., <i>Nature</i> , 409(6817): 232-240 (2001)		
JF	KOIDE et al., <i>Biochem. Biophys. Res. Commun.</i> , 111(2): 659-667 (1983)		
JG	KREITMAN, <i>Curr Pharm Biotechnol.</i> , 2(4): 313-325 (2001)		
JH	KUHN et al., <i>J. Biol. Chem.</i> , 270(49): 29493-29497 (1995)		
JI	LAI et al., <i>J. Biol. Chem.</i> , 261(7): 3116-3121 (1986)		
JJ	LAU et al., <i>J. Biotechnol.</i> , 75(2-3): 105-115 (1999)		
JK	LEE et al., <i>Biochemistry</i> , 28(4): 1856-1861 (1989)		
JL	LEE-HUANG et al., <i>Proc. Natl. Acad. Sci. USA</i> , 81(9): 2708-2712 (1984)		
JM	LEUNG, <i>J Immunol.</i> 154(11): 5919-5926 (1995)		
JN	LI et al., <i>Trends Pharmacol. Sci.</i> , 23(5): 206-209 (2002)		
JO	LI et al., <i>Med. Res. Rev.</i> , 22(3): 225-250 (2002)		

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INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet 8 of 10 Client Reference No. NEO00262US/371

Complete if Known

Application Number	10/549,445
Filing Date	July 31, 2006
First Named Inventor	Shawn DEFREES
Group Art Unit	1623
Examiner Name	Patrick T. Lewis
Attorney Docket Number	705759
Client Reference No.	NEO00262US/371

OTHER - NON PATENT LITERATURE DOCUMENTS

Examiner Initials	Doc. No.	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number (s), publisher, city and/or country where published.	Translation *
JP	LICARI et al., <i>Biotechnol. Bioeng.</i> , 39(4): 432-441 (1992)		
JQ	LICARI et al., <i>Biotechnol. Bioeng.</i> , 39(9): 932-944 (1992)		
JR	LIU et al., <i>Chem. Eur. J.</i> , 2(11): 1359-1362 (1996)		
JS	LONG et al., <i>Exp. Hematol.</i> , 34(6): 697-704 (2006)		
JT	LORD et al., <i>Clin. Cancer Res.</i> , 7(7): 2085-2090 (2001)		
JU	LOUGHED et al., <i>J. Biol. Chem.</i> , 274(53): 37717-37722 (1999)		
JV	LUCKOW et al., <i>Curr. Opin. Biotechnol.</i> , 4(5): 564-572 (1993)		
JW	LUND et al., <i>FASEB J.</i> , 9(1): 115-119 (1995)		
JX	LUND et al., <i>J. Immunol.</i> , 157(11): 4963-4969 (1996)		
JY	MAHAL et al., <i>Science</i> , 276(5315): 1125-1128 (1997)		
JZ	MARANGA et al., <i>Biotechnol. Bioeng.</i> , 84(2): 245-253 (2003)		
KA	MARAS et al., <i>J Biotechnol.</i> , 77(2-3): 255-263 (2000)		
KB	MILLER, <i>Curr. Opin. Genet. Dev.</i> , 3(1): 97-101 (1993)		
KC	MIN et al., <i>Endocr. J.</i> , 43(5): 585-593 (1996)		
KD	MISTRY et al., <i>Lancet</i> , 348(9041): 1555-1559 (1996)		
KE	MORIMOTO et al., <i>Glycoconj. J.</i> , 13(6): 1013-1020 (1996)		
KF	NCBI - Accession No. NCAA26095 (2 pgs.)		
KG	NCBI - Accession No. NP_058697 (3 pgs.)		
KH	NCBI - Accession No. NP_999299 (2 pgs.)		
KI	NCBI Database hits for erythropoietin protein sequences (3 pgs.)		
KJ	NGO et al., "The Protein Folding Problem and Tertiary Structure Prediction, Chapter 14: Computational Complexity Protein Structure Prediction, and the Levinthal Paradox," pp. 433-440 and 492-495 (1994)		
KK	NILSSON et al., <i>Methods Enzymol.</i> , 104: 56-69 (1984)		
KL	O'CONNELL et al., <i>J. Biol. Chem.</i> , 267(35): 25010-25018 (1992)		
KM	OETKE et al., <i>J. Biol. Chem.</i> , 277(8): 6688-6695 (2002)		
KN	OLSON et al., <i>J. Biol. Chem.</i> , 274(42): 29889-29896 (1999)		
KO	PALACPAC et al., <i>Proc. Natl. Acad. Sci. USA</i> , 96(8): 4692-4697 (1999)		
KP	PARK et al., <i>J. Biol. Chem.</i> , 261(1): 205-210 (1986)		
KQ	PAULSON et al., <i>J. Biol. Chem.</i> , 252(23): 8624-8628 (1977)		
KR	PLUMMER et al., <i>J. Biol. Chem.</i> , 270(22): 13192-13196 (1995)		
KS	PNGase-F Amidase Sequence from F. Meningosepticum (Registry Numbers 128688-70-0)		
KT	PNGase-F Amidase Sequence from F. Meningosepticum (Registry Numbers 128688-71-1)		
KU	PYATAK et al., <i>Res. Commun. Chem. Pathol. Pharmacol.</i> , 29(1): 113-127 (1980)		
KV	RABOUILLE et al., <i>J Cell Sci.</i> , 112(Pt. 19): 3319-3330 (1999)		
KW	REFF et al., <i>Cancer Control</i> , 9(2): 152-166 (2002)		
KX	ROSENTHAL et al., <i>Methods Enzymol.</i> , 235: 253-285 (1994)		
KY	SADLER et al., <i>Methods Enzymol.</i> , 83: 458-514 (1982)		
KZ	SANDBERG et al., <i>Semin. Hematol.</i> , 38(2 Suppl. 4): 4-12 (2001)		

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Sheet	9	of	10	Client Reference No.	NEO00262US/371
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Application Number	10/549,445
Filing Date	July 31, 2006
First Named Inventor	Shawn DEFREES
Group Art Unit	1623
Examiner Name	Patrick T. Lewis
Attorney Docket Number	705759

OTHER - NON PATENT LITERATURE DOCUMENTS

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LA	SANEYOSHI et al., <i>Biol. Reprod.</i> , 65(6): 1686-1690 (2001)		
LB	SAXON et al., <i>Science</i> , 287(5460): 2007-2010 (2000)		
LC	SCHLAEGER, <i>Cytotechnology</i> , 20(1-3): 57-70 (1996)		
LD	SCHWIENTEK et al., <i>Gene</i> , 145(2): 299-303 (1994)		
LE	SCHWIENTEK et al., <i>J. Biol. Chem.</i> , 277(25): 22623-22638 (2002)		
LF	SCOUTEN, <i>Methods Enzymol.</i> , 135: 30-65 (1997)		
LG	SHAH et al., <i>J. Pharm. Sci.</i> , 85(12): 1306-1311 (1996)		
LH	SHAPIRO et al., <i>Blood</i> , 105(2): 518-525 (2005)		
LI	SINGH et al., <i>Chem. Commun.</i> , 1996(8): 993-994 (1996)		
LJ	SINHA et al., <i>Infect. Immun.</i> , 29(3): 914-925 (1980)		
LK	SKOLNICK et al., <i>Trends Biotechnol.</i> , 18(1): 34-39 (2000)		
LL	SMITH et al., <i>Nat. Biotechnol.</i> , 15(12): 1222-1223 (1997)		
LM	SONG et al., <i>J. Pharmacol. Exp. Ther.</i> , 301(2): 605-610 (2002)		
LN	SRINIVASCHAR et al., <i>Biochemistry</i> , 28(6): 2501-2509 (1989)		
LO	STEPHENS et al., <i>Eur. J. Biochem.</i> , 133(1): 155-162 (1983)		
LP	STEPHENS et al., <i>Eur. J. Biochem.</i> , 133(3): 481-489 (1983)		
LQ	STEPHENS et al., <i>Eur. J. Biochem.</i> , 135(3): 519-527 (1983)		
LR	TAKANE et al., <i>J. Pharmacol Exp Ther.</i> , 294(2): 746-752 (2000)		
LS	TAKEDA et al., <i>Trends Biochem. Sci.</i> , 20(9): 367-371 (1995)		
LT	TAKEUCHI et al., <i>J. Biol. Chem.</i> , 265(21): 12127-12130 (1990)		
LU	TANIGUCHI et al., <i>Proteomics</i> , 1(2): 239-247 (2001)		
LV	TANNER et al., <i>Biochim. Biophys. Acta</i> , 906(1): 81-99. (1987)		
LW	TAYLOR et al., <i>Protein Immobilization Fundamentals and Applications</i> , Manual (1991)		
LX	TEN HAGEN et al., <i>J. Biol. Chem.</i> , 274(39): 27867-27874 (1999)		
LY	TENNO et al., <i>J. Biol. Chem.</i> , 277(49): 47088-47096 (2002)		
LZ	THOTAKURA et al., <i>Methods Enzymol.</i> , 138: 350-9 (1987)		
MA	TSUBOI et al., <i>Arch. Biochem. Biophys.</i> , 374(1): 100-106 (2000)		
MB	TUDDENHAM, <i>Nature</i> , 419(6902): 23-24 (2002)		
MC	UDENFRIEND et al., <i>Annu. Rev. Biochem.</i> , 64: 563-591 (1995)		
MD	ULLOA-AGUIRRE et al., <i>Endocrine</i> , 11(3): 205-215 (1999)		
ME	ULUDAG et al., <i>Biotechnol. Prog.</i> , 18(3): 604-611 (2002)		
MF	URDAL et al., <i>J. Chromatogr.</i> , 296: 171-179 (1984)		
MG	VAN BERKEL et al., <i>Biochem. J.</i> , 319(PL 1): 117-122 (1996)		
MH	VAN REIS et al., <i>Biotechnol. Bioeng.</i> , 38(4): 413-422 (1991)		
MI	VERONESE et al., <i>Appl. Biochem. Biotechnol.</i> , 11(2): 141-152 (1985)		
MJ	VOCADLO et al., "Glycosidase-Catalysed Oligosaccharide Synthesis" in <i>Carbohydrate Chemistry and Biology</i> , Vol. 2, Chapter 29, pp. 723-844 (2000)		
MK	VYAS et al., <i>Crit. Rev. Ther. Drug Carrier Syst.</i> , 18(1): 1-76 (2001)		
ML	WANG et al., <i>Tetrahedron Lett.</i> , 37(12): 1975-1978 (1996)		
MM	WANG et al., <i>Protein Eng.</i> , 11(12): 1277-1283 (1998)		

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MN	WELLHONER et al., <i>J. Biol. Chem.</i> , 266(7): 4309-4314 (1991)		
MO	WELLS, <i>Biochemistry</i> , 29(37): 8509-8517 (1990)		
MP	WITTE et al., <i>J. Am. Chem. Soc.</i> , 119(9): 2114-2118 (1997)		
MQ	WOGHIREN et al., <i>Bioconjug. Chem.</i> , 4(5): 314-318 (1993)		
MR	WONG et al., <i>J. Org. Chem.</i> , 47(27): 5416-5418 (1982)		
MS	WONG et al., <i>Enzyme Microb Technol.</i> , 14(11): 866-874 (1992)		
MT	WONG et al., <i>Biotechnol. Bioeng.</i> , 49(6): 659-666 (1996)		
MU	WOODS et al., <i>Eur. J. Cell Biol.</i> , 50(1): 132-143 (1989)		
MV	WRIGHT et al., <i>J. Immunol.</i> , 160(7): 3393-3402 (1998)		
MW	WU et al., <i>J. Drug Target.</i> , 10(3): 239-245 (2002)		
MX	XING et al., <i>Biochem. J.</i> , 336(Pt. 3): 667-673 (1998)		
MY	YAMAMOTO et al., <i>Carbohydr. Res.</i> , 305(3-4): 415-422 (1997)		
MZ	YAREMA et al., <i>J. Biol. Chem.</i> , 273(47): 31168-31179 (1998)		
NA	YOSHIDA et al., <i>Glycobiology</i> , 9(1): 53-58 (1999)		
NB	YOSHITAKE et al., <i>Biochemistry</i> , 24(14): 3736-3750 (1985)		
NC	ZALIPSKY et al., "Use of Functionalized Poly(Ethylene Glycol)s for Modification of Polypeptides" in <i>Poly(Ethylene Glycol) Chemistry: Biotechnical and Biomedical Applications</i> , Harris (ed.), Chapter 21, pp. 347-370 (Plenum Press, New York, 1992)		
ND	ZALIPSKY, <i>Bioconjug. Chem.</i> , 6(2): 150-165 (1995)		
NE	ZHENG et al., <i>Biotechnol. Bioeng.</i> , 65(5): 600-604 (1999)		
NF	ZHOU et al., 1994, <i>Mol. Microbiol.</i> , 14(4): 609-618 (1994)		

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